PROJECT NUMBER : 1503
PROJECT TITLE : Modified Smoking Materials
PROJECT LEADER : W. A. Nichols
PERIOD COVERED : February, 1991

I. SIDESEAM ADHESIVE METERING SYSTEM

A. Objective: Evaluate a sideseam adhesive metering system for use in the Semiworks and as a prototype for Production.

B. Results: To determine if installation of a sideseam monitoring system would increase cigarette maker efficiency, historical data has been gathered on cigarette maker downtime attributed to adhesive application. Data specific to adhesive defects during rod formation is unavailable but significant losses in productivity do occur due to rod breaks, of which, adhesives are a cause. Arrangements will be made to monitor makers in the factory and define the reasons for rod breaks.

The sideseam adhesive system was installed in the Semiworks. Cigarettes were produced with three lapseam adhesives at flowrates from 0.6 to 3.8 cc/1000 cigarettes. Lapseam quality and subjective testing is being conducted on the samples. The sideseam monitor will initially be used to collect data on typical adhesive flow variation.

C. Plans: The optimum adhesive application rate will be established for currently used lapseam adhesives.

II. STEMMERY WASTE

A. Objective: Determine the feasibility of reclaiming tobacco from stemmery waste.

B. Results: Stemmery waste contains approximately 25 percent tobacco particles. Waste samples from various bright stalk positions were submitted to PEMM-CORP for sand and tobacco separation. Initial analysis suggests that wet separation techniques are superior to pneumatic methods.

C. Plans: Economic and environmental studies will be conducted.

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Source: https://www.industrydocuments.ucsf.edu/docs/ktjm0000